



Section Description

The City of San Diego has one of the largest and most complex water storage, treatment, and delivery systems in the nation. Since the San Diego region is considered semi-arid and lacks water as a natural resource, 85 to 90 percent of the water used by residents is imported. One of the Water Branch's primary responsibilities is to secure imported water supplies for the residents of San Diego while continuing to manage demand through improved water conservation and research alternative water supplies such as recycled water, groundwater, desalinated sea water, etc. In addition to supplying water, the Water Branch also performs a variety of functions and provides a number of services including water system repair and maintenance.

The Water Branch's mission is:

To provide safe, reliable water in an efficient, cost-effective, and environmentally-responsible manner

Goals and Objectives

The following goals and objectives represent the action plan for the Section.

Goal 1: Safe, reliable water

The Water Branch is dedicated to its public health responsibilities of providing safe and reliable water. The Water Branch strives to exceed all federal and State water quality standards, maintain and build needed infrastructure, and deliver water to customers efficiently and reliably. The Water Branch will move toward accomplishing this goal by focusing on the following objectives:

- Maintain and improve infrastructure
- Exceed environmental and public health standards
- Ensure efficient treatment and delivery of water

Goal 2: Fiscally-sound, operationally-efficient Water Section

The Water Branch utilizes strategic financial planning to ensure financial viability to operate and maintain the water system. The Water Branch provides a fiscally-sound, efficient organization that is responsive and dependable. By doing so, the Water Branch enhances its long-term viability, accountability, ethics, and transparency as cornerstones with which to build trust with customers. The Water Branch will move toward accomplishing this goal by focusing on the following objectives:

- Build public trust through timely response and resolution to inquiries
- Provide cost-effective, customer-focused service

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- Utilize integrated information systems to support decision-making
- Control expenditures to minimize rate impacts

Goal 3: Sustainable growth and economic prosperity

The Water Branch recognizes that water supplies are critical to preserving the quality of life, economic prosperity, and growth of the City. The Water Branch identifies, evaluates, and plans short- and long-term water demand and supply reliability options. The Water Branch will move toward accomplishing this goal by focusing on the following objectives:

- Engage in regional initiatives with other water agencies which provide viable, environmentally-responsible and cost-effective alternative sources of water supply
- Provide high quality water demand and supply assessments in conjunction with local and regional development planning

Goal 4: Responsive, safe, and innovative workforce

The Water Branch is proud of its professional, technically-proficient, and diverse workforce. The Water Branch is dedicated to ensuring its employees have the training and equipment necessary to provide safe, reliable water in a customer-friendly manner. The Water Branch will continue to meet its goal of being a service-oriented and innovative utility through strategic workforce planning and by providing employees the knowledge, skills, and abilities necessary to perform their jobs safely. The Water Branch will move toward accomplishing this goal by focusing on the following objectives:

- Ensure employees have the necessary training, knowledge, skills, and abilities
- Ensure employees have the necessary equipment to do their jobs
- Ensure that we have a safety-conscious workforce
- Recognize and when possible reward high performing employees
- Ensure adequate staffing to meet the operational needs of the Section

Service Efforts and Accomplishments

Water Conservation and Allocations. In Fiscal Year 2009, the Mayor directed the Water Branch to review the existing Emergency Water Regulations (Municipal Code Section 67.3800 – 67.3811), originally created in 1993, with the goal of improving the City’s response to water shortage conditions. This review resulted in a series of amendments to the existing Municipal Code which established year-round water waste prohibitions, provided clear water shortage “triggers” for moving from one drought response level to another, provided clear targets for achieving water use reductions, and provided an updated penalty and hardship variance process which governs the application and enforcement of the emergency water restrictions. The recommended amendments were approved by the City Council in November 2008 and became effective on January 12, 2009.

To plan for upcoming water shortages and develop an allocation methodology to achieve a given reduction target, the Water Branch examined various end-uses of water by its customers, as well as the consumption pattern of these uses. The Water Branch also examined past conservation efforts in order to identify where the most likely opportunity for future conservation would take place. Research was also performed regarding the implementation of allocation strategies by other agencies. Finally, the Water Branch engaged the public, institutional customers, commercial customers, and various industry representatives in order to provide information on the allocation development process, propose alternative strategies, and identify key concerns. Recommendations for allocations, billing and rate structures, as well as possible penalties are being developed as a result of these efforts to represent the methodology most likely to achieve a reduction in overall use fairly and appropriately by all customers.

Bid to Goal / ISO Programs. In Fiscal Year 2009, the Water Operations Division completed its fifth year of a five year Bid-to-Goal contract and the Customer Support Division completed its third year of a five year Bid-to-Goal. The Department is currently working on a new Department-wide program to replace it. The Water Operations Division was the first public agency in the nation to combine a Bid-to-Goal management tool with the International Organization for Standardization (ISO) 14001 certification. The Water Operations Division has maintained their certification by successfully completing an external in April 2009 and has utilized savings from our Bid-to-Goal program to fund pilot programs and purchase outlay used to improve system operations and enhance water delivery.

Water Quality. The Water Branch continues to look for opportunities to improve the water quality delivered to our customers. As part of this continued improvement, the Water Branch has initiated a pilot project to install mechanical mixers in its distribution reservoirs. Improved mixing within the distribution reservoirs is expected to both improve water quality and minimize operational costs. The pilot project includes a study to monitor and evaluate the effectiveness of the mixing specific to the City's water system. Results of the study will be used to make effective decisions and recommendations on further potential improvements.

The Water Branch has set a water quality goal at its three water treatment plants which exceeds water quality standards of turbidity. The goal is to achieve a maximum effluent turbidity of 0.10 NTU or less, at 95 percent of the time at the three water treatment plants. Effluent turbidity provides a measurement of the efficiency of the treatment processes within the water treatment plants. This goal exceeds the regulatory limit of 0.3 NTU and is indicative of a highly performing water treatment plant. Two of the three City water treatment plants achieved this 0.10 NTU goal for 12 out of 12 months during Fiscal Year 2009, with the third water treatment plant achieving the goal for 8 out of the 12 months. The goal for Fiscal Year 2010 is to achieve this goal at all three water treatment plants.

Awards and Grants. The Water Operations Division was recognized in 2008 with an *Environmental Services Director's Award* for its recycling program that dramatically reduces the amount of materials being sent to the Miramar Landfill. For Fiscal Year 2007, Water Operations reduced the amount of material it had been sending to the landfill by 68 percent or 4,441 tons, an estimated cost savings was \$268,100.

The City's Otay Water Treatment Plant received the *Director's Award of Recognition* in 2008 from the Partnership for Safe Water for providing drinking water quality that surpasses the required federal standards. Less than one percent of the nation's utilities receive this honor. The achievement makes the Otay Plant one of the highest-performing water treatment facilities in the country.

In June 2008, the City Council accepted an offer of funding from the First 5 Commission of San Diego County for the purpose of fluoridating the City's public water supply. The Commission's offer of up to \$3.9 million is for full funding of the capital costs and up to two years of operating and maintenance expenses necessary to implement fluoridation at each of the City's three water treatment plants. As a result of State law and the availability of funding, the Water Branch is developing a plan to purchase equipment and supplies to meet a targeted deadline of fluoridating the public water supply by May 2010.

The San Diego Integrated Regional Water Management Program was awarded the maximum \$25 million of Proposition 50, Chapter 8 grant funds to help fund 19 critical projects in the region. The City will receive over \$4.75 million to benefit conservation, recycled water and storm water efforts, as well as acquiring reservoir watershed property. This funding will help in protecting our water resources and developing alternative water supplies.

Under Proposition 84 and 1E, over \$91 million in grant funding is now available to the San Diego Integrated Regional Water Management (IRWM) Program Partners (the City, the County, and the Water Authority). Each of the partners is contributing \$300,000 towards the update of the San Diego Regional IRWM Plan and the preparation and submittal of regional grant applications. These grants will make many projects possible including flood management and storm water efforts included in the IRWM Plan.

Funded by \$5.5 million through state Proposition 50 IRWM grant and the San Diego County Water Authority (CWA), the Watershed and Resource Protection Team prepared and began implementing a land acquisition plan to provide an expanded source water protection buffer around the San Vicente Reservoir to protect our precious water supply.

The Watershed and Resource Protection Team has been awarded a \$325,000 SANDAG TransNet grant for land management activities near Otay Reservoir and continued their efforts in applying for an additional \$4.5 million of grant funding to benefit habitat restoration and land management on Water Branch lands. It was also awarded a \$500,000 Local Investigative Studies Assistance Grant from CWA for Pilot Production Wells Investigation. It executed agreements valued at \$1.9 million for investigations, testing, and monitoring of local aquifers in order to develop local water supplies. In addition, it secured a \$250,000 grant from the Department of Water Resources for the San Pasqual Groundwater Monitoring Project.

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The Water Branch's Grant Section is working to complete final State Proposition 50 grant agreements for the upgrade and expansion of three water treatment plants. The projects would improve the water treatment process at each of the plants. There is an estimated \$48 million in potential grant awards the Water Branch is working to secure in Fiscal Year 2009. In addition, the Water Branch is pursuing funding opportunities through the State Revolving Fund Loan programs.

Customer Service. The Customer Support Division in the Water Branch responded to more than 529,000 phone calls and emails in the past year. These included inquiries regarding customer accounts, information about water conservation, and general questions to the Public Information Section. The Field Services and Investigations Section achieved a domestic meter reading skip rate of less than 0.5 percent. As California's water supply becomes more restricted due to lack of significant rainfall/snow and environmental issues in the Bay-Delta region, the Water Branch is preparing for additional reductions in water deliveries through enhanced public outreach and drought response planning. While the City of San Diego is currently under a voluntary water conservation stage, it is possible that mandatory water conservation will be declared in the near future.

Recycled Water. As of December 2008, 446 retail and three wholesale customers are connected to the City's recycled water distribution systems. The beneficial reuse of the recycled water exceeded 12,164 acre-feet (AF) in Fiscal Year 2008: 7,001.8 AF from the North City Water Reclamation Plant and 5,162.5 from the South Bay Plant. During the same time period, qualifying sales of recycled water resulted in over \$2.9 million in financial incentives from water wholesalers. In Calendar Year 2008, 100 percent of customer site inspections were completed as mandated by the Regional Water Quality Control Board.

Watershed. In order to protect our important watersheds, the City of San Diego Water Branch gained unanimous approval by the California Department of Transportation's (Caltrans) California Traffic Control Devices Committee to make the City's prototype watershed sign available statewide. This decision makes San Diego's watershed sign part of the Manual of Uniform Traffic Control Devices and makes it widely available for use by other agencies and organizations throughout California.

The Water Branch managed 41,200 acres of Section-owned rural lands for watershed and habitat values. This included management of 10,400 acres of Multiple Species Conservation Plan Cornerstone Lands in full compliance with the directives of federal and State resource agencies.

The Water Branch successfully secured funds from the Federal Emergency Management Agency (FEMA) to cover the costs of post-fire debris removal on Water Section lands after the October 2007 wildfire disaster and coordinated with FEMA to secure in excess of \$650,000 for needed repairs and upgrades to historic structures not damaged in the fires.

Projects. The Water Modeling Section completed the Miramar Service Area Water Master Plan which involved the analysis of pressure, flow, velocity, and reliability to improve the entire potable water system north of Interstate 8 and identified replacement and expansion projects valued at \$251 million as part of the Water Section's Water Facilities Master Planning effort.

In addition, the Water Branch also completed the Green Valley Pipeline and the Del Mar Heights Pipeline hydraulic deficiencies investigation studies to improve the Water Branch's operation of the water system.

The Water Branch also completed the update of the Water Branch's Long-term Water Demand Forecast based upon the SANDAG Series 11 forecast. This includes updates to global warming projections, water and sewer rate, and water conservation parameters.

The La Jolla Country Club Reservoir was put back online in Spring 2009. The Liner Project was successfully completed within five months of being notified that the existing liner had failed which caused the reservoir to leak. In order to protect our water resources (especially during this time of drought), Water Branch staff provided necessary technical support to the Engineering & Capital Projects team throughout construction which attributed to the rapid completion of the La Jolla Country Club Reservoir Liner Project.

The Water Reliability Program has successfully completed five Water Supply Assessments in compliance with Senate Bill 610/221 (SB610/221).

The Water Branch has accomplished major milestones within the San Pasqual Conjunctive Use Study project which included the Pre-feasibility Analysis, development of the Groundwater Model, and the construction of a 200-foot-deep monitoring well with a well construction report.

The San Pasqual Brackish Groundwater Desalination Demonstration project also accomplished major milestones with the completion of a viable 150 gallons per minute (GPM) well, plant and piping infrastructure, and the installation of a Reverse Osmosis (RO) skid.

Information Technology. The Information Technology Section of the Water Branch completed three innovative projects. The Automated Meter Reading (AMR) Project included the replacement and retrofit of 27,000 water meters with AMR devices that allowed them to be read electronically. To support the project, the AMR Project Control System web application was developed to track information on converted meters, track the vendor project status, hold new meter data such as multiple registers and meter interface unit information and vendor installations. BROOK (Business Repository of Operational Knowledge) Phase 1 of our Water Branch data warehouse focused on populating the Computer Maintenance Management System (CMMS) and Vehicle Tracking data, empowering users to quickly create analytical reports and promoting data accuracy. All Water data will eventually reside in BROOK. The Water Incident Tracking System (WITS) integrates three separate systems from the Customer Support Division, the Water Operations Division, and the Water Quality Laboratory. It is designed to be easily audited for Bid-to-Goal and Pay-for-Performance programs.

Training. The Water Branch Training Section successfully completed the transition to the Public Utilities Department Training Section by merging with the Metropolitan Wastewater Branch Training Section. This transition required planning and execution of many plans, policies, and procedures that will result in an increased level of service to all internal and external customers while realizing savings, and eliminating duplication of services.

Rates and Bonds. The Rate Analysis & Capital Improvements Program Support Section implemented a pass-through rate increase, effective January 1, 2009, as a result of increased cost of water purchased from the County Water Authority (CWA) and a rate increase to support the Indirect Potable Reuse Pilot Project (IPR). The Water Branch also worked closely with the Debt Management Department to issue new public debt to replace a previously issued short-term note of \$57 million and refinance other outstanding debt of approximately \$97 million. Before the end of Fiscal Year 2009, the Section will refinance another short-term note of \$150 million and plans to borrow \$150 million of new money to continue the approved Capital Improvements Program.

Water

Budget Dollars at Work: Performance Expectations

Goal 1: Safe, reliable water

Performance Measure	Baseline FY2008	Actual FY2009	Target FY2010
1. Number of Primary Maximum Contaminant Level (MCL) violations as a result of potable water quality sampling	0	0	0
2. Percent of service leaks investigated within two working days	86%	92%	88%
3. Percent of service leaks repaired within seven working days after referral	97%	97%	97%
4. Percent of hydrant knock-overs responded to within one hour ¹	95%	92%	100%
5. Percent of citywide valve leaks repaired within five working days after referral	91%	93%	88%

Goal 2: Fiscally-sound, operationally-efficient Water Section

Performance Measure	Baseline FY2008	Actual FY2009	Target FY2010
1. Average number of days to respond to and resolve customer-initiated service investigations	10 days	7 days	10 days
2. Percent increase/decrease in the usage of Electronic Bill Presentment and Payment (EBPP)	4.9% increase	8.0%	8.1%
3. Deviation between Operating and Maintenance (O&M) expenditures and those anticipated through the Rate Case	\$14.8M	\$19.37M	0% or negative

Goal 3: Sustainable growth and economic prosperity

Performance Measure	Baseline FY2008	Actual FY2009	Target FY2010
1. Volume of raw water purchases reduced as a result of water conservation (in acre-feet per year)	10,314 AFY	33,789 AFY	32,000 AFY
2. Increase/decrease in the citywide use of recycled water (in acre-feet per year)	7,328 AFY	8,261 AFY	8,450 AFY

Goal 4: Responsive, safe and innovative workforce

Performance Measure	Baseline FY2008	Actual FY2009	Target FY2010
1. Percent of equipment and facilities inventories completed	N/A ²	100%	100%

¹ The data associated with number of water main breaks responded to within an hour has been removed from this measure as it existed last year. It has been determined that the Water Branch is unable to accurately track response times for main breaks. Unlike fire hydrant knock-overs, which are a visible condition, water mains breaks are located underground and the actual problem cannot be identified by the initial report. Water main breaks are usually reported as “leaks” which are prioritized and responded to differently than “breaks.” Accordingly, the Water Branch often is not aware of a break until after the initial investigation or upon excavation of the water main, making response within an hour impossible. Moreover, the data is not coded in a way that makes for easy, accurate reporting of this statistic.

² For Fiscal Year 2009, the Office of the City Auditor has already conducted an inventory of all equipment and facilities. The Water Branch submitted data collected in December 2008.

Budget Dollars at Work: Sizing and Workload Data

	Actual FY2006	Actual FY2007	Actual FY2008	Actual FY2009	Target FY2010
Sizing Data					
Population of City of San Diego	1,311,162	1,316,837	1,336,865	1,343,305	1,365,130
Square miles of land and water (City of San Diego)	404	404	404	404	404
Number of treatment plants	3	3	3	3	3
Number of pump stations	49	50	50	50	50
Number of reservoirs	9	9	9	9	9
Average daily City water consumption (in million gallons)	204	221	218 ³	215	192 ⁴
Total City water consumed including South Bay (million gallons)	74,729	73,963	74,430	70,400	63,858 ⁴
Total water deliveries (in million gallons) ⁵	79,485	80,938	79,910 ³	77,600	70,174
Workload Data					
Miles of operated and maintained pipelines	3,335	3,381	3,263	3,104.77	3,148
Number of water meters operated	272,466	273,304	278,692	275,151	276,239
Number of fire hydrants maintained	24,661	24,905	25,003	25,013	25,050
Customer service calls answered (beginning in FY2007, data include e-mail inquiries)	282,184	455,329	529,255	530,000	545,000
Millions of gallons of water (raw and filtered) delivered ⁵	79,485	74,842	71,451	68,100	66,000
Managed acres of Water Section-owned rural lands for watershed and habitat values	N/A	40,100	41,100	41,200	42,000
Acres of burned watershed lands assessed and being remediated in cooperation with other agencies	N/A	16,681	209,200	See footnote ⁶	N/A ⁶
Number of preventive maintenance activities (PMs) to air valves, hydrants, blow-offs and valves (≥6") conducted ⁷	N/A	N/A	16,826	14,914	16,203
Number of preventive maintenance activities (PMs) on control and regulator valves completed	300	467	367	359	477

³ This was modified to reflect an accurate year-end number.

⁴ Projections for the Fiscal Year 2010 water volumetric and sales data reflect an anticipated 15 percent reduction due to conservation efforts.

⁵ Raw and filtered water delivered includes all water purchased from the County Water Authority. All delivered water combined with local water is used to produce total water deliveries.

⁶ This assessment only occurs following large wildfires which are not predictable; thus it is not possible to set numerical targets for future years.

⁷ Number of preventative maintenance activities (PMs) to air valves, hydrant, and blow-offs, and in-line valves completed does not show activity in Fiscal Year 2005 through Fiscal Year 2007 since that information was not tracked until Fiscal Year 2008.

Department Summary

Water				
	FY 2008 BUDGET	FY 2009 BUDGET	FY 2010 FINAL	FY 2009-2010 CHANGE
Positions	850.90	778.50	785.50	7.00
Personnel Expense	\$ 75,996,588	\$ 67,682,756	\$ 65,945,842	\$ (1,736,914)
Non-Personnel Expense	\$ 429,957,941	\$ 466,210,159	\$ 470,366,088	\$ 4,155,929
TOTAL	\$ 505,954,529	\$ 533,892,915	\$ 536,311,930	\$ 2,419,015

Department Staffing

	FY 2008 BUDGET	FY 2009 BUDGET	FY 2010 FINAL
WATER DEPARTMENT FUND			
Water Department			
Business and Support Services	49.00	59.00	56.00
Capital Improvement Projects	21.00	0.00	0.00
CIP Division Management	2.00	0.00	0.00
CIP Planning	13.00	0.00	0.00
CIP Program Management	9.00	29.00	27.00
CIP Water Review	10.00	0.00	0.00
Construction and Maintenance	203.00	184.00	183.00
Customer Services Office	53.00	52.00	54.00
Customer Support - Meter Services	70.00	68.00	68.00
Customer Support Division Administration	7.00	7.00	7.00
Department Management	3.00	2.50	2.50
Division Administration	2.00	15.00	12.00
Field Services & Investigations	47.00	45.00	48.00
Human Resources	27.00	14.00	12.00
Plant Operations	49.00	46.00	46.00
Public Information & Community Outreach	3.00	0.00	0.00
Raw Water Storage and Distribution	40.00	44.00	45.00
Recycled Water Program	15.00	11.00	16.00
Safety Program	6.00	7.00	6.00
Trench Repair	23.90	0.00	0.00
Water Conservation Program	18.00	18.00	23.00
Water Laboratory	46.00	44.00	44.00
Water Legislation & Policy Analysis	3.00	2.00	2.00
Water Operations Administration	15.00	15.00	14.00
Water Operations/Lakes Recreation	13.00	13.00	13.00
Water Pol Div - Strat Planning	2.00	0.00	0.00
Water Reliability Program	9.00	7.00	9.00

Water

Department Staffing

	FY 2008 BUDGET	FY 2009 BUDGET	FY 2010 FINAL
WATER DEPARTMENT FUND			
Water Department			
Water Shed Mgmt - Division Mgt	1.00	0.00	0.00
Water System Engineering	29.00	29.00	25.00
Wtr Ops Div - System Operations	59.00	64.00	69.00
Wtrshed & Resource Protection	3.00	3.00	4.00
Total	850.90	778.50	785.50

Department Expenditures

	FY 2008 BUDGET	FY 2009 BUDGET	FY 2010 FINAL
GENERAL FUND			
Reservoir Recreation			
Concession Management/Support	\$ -	\$ -	\$ 1,994,583
Total	\$ -	\$ -	\$ 1,994,583

WATER DEPARTMENT FUND

Water Department

Appropriated Reserve Transfer	\$ 5,822,200	\$ 5,822,200	\$ 5,000,000
Assurance Fund	\$ 4,500,000	\$ 4,500,000	\$ 4,500,000
Bond Debt Service and Loan Payments	\$ 58,888,385	\$ 63,553,164	\$ 65,741,405
Business and Support Services	\$ 12,001,672	\$ 14,389,526	\$ 15,716,263
Capital Improvement Projects	\$ 149,166,117	\$ 177,877,581	\$ 149,776,390
CIP Division Management	\$ 3,086,554	\$ 771,156	\$ 551,227
CIP Planning	\$ 1,840,829	\$ -	\$ 24,615
CIP Program Management	\$ 1,019,447	\$ 3,433,692	\$ 3,120,158
CIP Project Management South	\$ 75,388	\$ -	\$ -
CIP Project Management WTP	\$ 114,102	\$ -	\$ -
CIP Water Review	\$ 2,573,883	\$ -	\$ -
Construction and Maintenance	\$ 24,058,512	\$ 28,123,631	\$ 27,192,132
Cust Support - Information Systems	\$ 5,892,264	\$ 4,060	\$ 3,763
Customer Services Office	\$ 7,027,426	\$ 6,574,651	\$ 7,431,259
Customer Support - Meter Services	\$ 8,989,757	\$ 8,829,799	\$ 10,597,240
Customer Support Division Administration	\$ 1,901,209	\$ 1,927,573	\$ 2,994,102
CWA Water	\$ -	\$ 125,218,503	\$ 151,124,846
Department Management	\$ 658,121	\$ 408,679	\$ 383,855
Division Administration	\$ 549,705	\$ 4,989,517	\$ 14,799,010
Field Services & Investigations	\$ 3,830,856	\$ 4,039,828	\$ 4,334,543
General Government Services	\$ 4,755,513	\$ 6,083,917	\$ 7,240,462
Human Resources	\$ 2,928,655	\$ 1,153,694	\$ 942,010
Operating Reserve	\$ 19,936,102	\$ 19,936,102	\$ 877,784

Department Expenditures

	FY 2008 BUDGET	FY 2009 BUDGET	FY 2010 FINAL
WATER DEPARTMENT FUND			
Water Department			
Plant Operations	\$ 10,691,617	\$ 9,179,136	\$ 15,116,207
Project Management - North	\$ 32,798	\$ -	\$ -
Public Information & Community Outreach	\$ 388,047	\$ -	\$ -
Raw Water Storage and Distribution	\$ 3,890,751	\$ 4,367,543	\$ 4,584,542
Recycled Water Program	\$ 1,796,790	\$ 1,290,973	\$ 2,070,004
Safety Program	\$ 2,264,239	\$ 2,295,763	\$ 2,212,092
Special Projects	\$ 10,172	\$ -	\$ -
Stormwater/Watershed	\$ 62,864	\$ -	\$ -
Trench Repair	\$ 4,941,072	\$ -	\$ -
Water Conservation Program	\$ 2,778,543	\$ 2,323,216	\$ 3,854,560
Water Department	\$ 441,837	\$ (2,476,600)	\$ (2,091,217)
Water Laboratory	\$ 5,747,552	\$ 5,111,686	\$ 5,050,364
Water Legislation & Policy Analysis	\$ 257,316	\$ 284,282	\$ 223,194
Water Operations Administration	\$ 17,564,258	\$ 19,090,830	\$ 15,717,663
Water Operations/Lakes Recreation	\$ 1,738,622	\$ 1,698,599	\$ 1,696,716
Water Pol Div - Administration	\$ 1,047,132	\$ -	\$ 29,065
Water Pol Div - Strat Planning	\$ 255,694	\$ -	\$ -
Water Purchases New Division	\$ 120,025,426	\$ -	\$ -
Water Reliability Program	\$ 1,761,975	\$ 1,966,383	\$ 2,248,318
Water Shed Mgmt - Division Mgt	\$ 226,275	\$ -	\$ -
Water System Engineering	\$ 2,957,517	\$ 3,112,782	\$ 2,692,101
Wtr Ops Div - System Operations	\$ 7,137,498	\$ 7,509,625	\$ 7,778,782
Wtrshed & Resource Protection	\$ 319,837	\$ 501,425	\$ 783,892
Total	\$ 505,954,529	\$ 533,892,915	\$ 534,317,347

Significant Budget Adjustments

GENERAL FUND

Reservoir Recreation	Positions	Cost	Revenue
Support for Reservoir Lakes	0.00	\$ 41,164	\$ 0
Adjustment to reflect funding to support the operation and maintenance of Reservoir Lakes.			

Water

Significant Budget Adjustments

GENERAL FUND

Reservoir Recreation	Positions	Cost	Revenue
Fiscal Year 2010 Business Process Reengineering Adjustments	0.00 \$	0 \$	625,029
Adjustment to reflect increase in fees due to BPR.			

WATER DEPARTMENT FUND

Water Department	Positions	Cost	Revenue
Salary and Benefit Adjustments	0.00 \$	(607,332) \$	0
Adjustments to reflect the annualization of the Fiscal Year 2009 negotiated salary compensation schedule, changes to average salaries, retirement contributions, retiree health contributions, and labor negotiation adjustments.			
Increase in Water Rate	0.00 \$	25,906,343 \$	0
Adjustment reflects the increase in the cost of water by the San Diego County Water Authority.			
Indirect Potable Reuse Demonstration Project	0.00 \$	10,526,000 \$	0
Adjustment reflects the additional expenses needed to support the Indirect Potable Reuse Demonstration Project.			
Increase in Chemicals and Supplies	0.00 \$	4,900,585 \$	0
Adjustment reflects the increase in the cost of chemicals and other miscellaneous supplies.			
Equipment/Support for Information Technology	0.00 \$	3,262,426 \$	0
Funding allocated according to a zero-based annual review of information technology funding requirements and priority analyses.			
Non-Discretionary Adjustment	0.00 \$	2,148,196 \$	0
Adjustments to expense allocations that are determined outside of the department's direct control. These adjustments are generally based on prior year expenditure trends and examples of these include utilities, insurance, and rent.			
Support for Public Outreach Campaign	0.00 \$	1,200,000 \$	0
Adjustment reflects the addition of non-personnel expenses to support the Water Conservation Public Outreach Campaign for Irrigation Controller Incentive Program to promote water conservation.			
Support for Bid-to-Goal Program	0.00 \$	1,000,000 \$	0
Adjustment reflects the addition of non-personnel expenses for Employee Efficiency Incentive Reserve.			
Addition for Automated Meter System	0.00 \$	900,000 \$	0
Adjustment reflects the addition of non-personnel expenses for an Automated Meter Reading System.			

Significant Budget Adjustments

WATER DEPARTMENT FUND

Water Department	Positions	Cost	Revenue
Drought Response Level 2 Adjustment reflects the addition of 10.00 FTE positions and associated non-personnel expenditures to support and implement the Drought Response Level 2 mandatory water use restriction.	10.00 \$	752,370 \$	0
Purchase Order Re-budget Adjustment to reflect the re-budgeting of remaining balances in open purchase orders from Fiscal Years 2007 and 2008.	0.00 \$	595,379 \$	0
Addition for Test System Adjustment reflects the purchase of a meter testing system that will help in water conservation efforts.	0.00 \$	400,000 \$	0
Addition for Wireless Modems Adjustment reflects the addition of non-personnel expenses for GPS satellite vehicle modems and maintenance costs.	0.00 \$	268,948 \$	0
Support for Water Recycle Program Adjustment reflects the addition of 2.00 Senior Engineering Aides to support the Recycled Water Program.	2.00 \$	159,663 \$	0
Addition for Meter Locks Adjustment reflects the addition of expenses for the installation of steel lock rings to secure water meters.	0.00 \$	97,190 \$	0
Revised Revenue Adjustment to reflect Fiscal Year 2010 revenue projections.	0.00 \$	0 \$	3,220,256
OneSD Support Department Transfer Transfer of position(s) to the newly created OneSD Support Department to manage the integrated ERP System.	(1.00) \$	(75,446) \$	0
Consolidation with Metropolitan Wastewater Department Reduction of 1.00 Organization Effectiveness Specialist II, 1.00 Payroll Specialist I, and 1.00 Associate Civil Engineer to achieve greater efficiency from the consolidation of the Water Department and Metropolitan Wastewater Department.	(3.00) \$	(269,297) \$	0
Urban Water Management Plan Adjustment reflects the reduction of non-personnel expense due to project completion in Fiscal Year 2009 as a component of the Urban Water Management Plan.	0.00 \$	(400,000) \$	0
Departmental Reduction Plan Adjustment reflects the reduction of 1.00 Assistant Civil Engineer and non-personnel expenses to appropriately align departmental expenditures with anticipated revenues.	(1.00) \$	(965,160) \$	0

Water

Significant Budget Adjustments

WATER DEPARTMENT FUND

Water Department	Positions	Cost	Revenue
Vacancy Savings	0.00	\$ (1,402,150)	\$ 0
Adjustments to personnel expenses to reflect the anticipated savings resulting from positions projected to be vacant for any period of the fiscal year due to personnel attrition and salary differentials for new employees.			
Reduction in Operating Reserves	0.00	\$ (19,880,518)	\$ 0
Adjustment reflects the reduction in the Operating Reserve. The department will continue to maintain adequate reserves within the department's fund.			
Capital Improvement Program (CIP)	0.00	\$ (28,092,768)	\$ 0
A reduction of non-personnel expense to reflect Fiscal Year 2010 CIP project expenditure requirements.			

Expenditures by Category

	FY 2008 BUDGET	FY 2009 BUDGET	FY 2010 FINAL
PERSONNEL			
Salaries & Wages	\$ 50,268,860	\$ 44,576,486	\$ 44,269,273
Fringe Benefits	\$ 25,727,728	\$ 23,106,270	\$ 21,676,569
SUBTOTAL PERSONNEL	\$ 75,996,588	\$ 67,682,756	\$ 65,945,842
NON-PERSONNEL			
Supplies & Services	\$ 411,020,929	\$ 446,302,254	\$ 446,885,877
Information Technology	\$ 9,725,265	\$ 8,619,440	\$ 11,571,975
Energy/Utilities	\$ 8,287,554	\$ 10,431,508	\$ 9,741,215
Equipment Outlay	\$ 924,193	\$ 856,957	\$ 2,167,021
SUBTOTAL NON-PERSONNEL	\$ 429,957,941	\$ 466,210,159	\$ 470,366,088
TOTAL	\$ 505,954,529	\$ 533,892,915	\$ 536,311,930

Revenues by Category

	FY 2008 BUDGET	FY 2009 BUDGET	FY 2010 FINAL
GENERAL FUND			
Revenue from Money & Property	\$ -	\$ -	\$ 1,835,513
TOTAL	\$ -	\$ -	\$ 1,835,513

Salary Schedule

WATER DEPARTMENT FUND

Water Department

<i>Class</i>	<i>Position Title</i>	<i>FY 2009 Positions</i>	<i>FY 2010 Positions</i>		<i>Salary</i>	<i>Total</i>
1013	Water Systems Technician III	195.00	193.00	\$	48,739	\$ 9,406,690
1014	Water Systems Technician IV	61.00	60.00	\$	54,695	\$ 3,281,724
1015	Water Systems Technician Supervisor	21.00	21.00	\$	63,359	\$ 1,330,539
1016	Water Systems District Manager	4.00	4.00	\$	72,876	\$ 291,503
1104	Account Clerk	6.00	6.00	\$	36,680	\$ 220,078
1106	Sr Management Analyst	7.00	7.00	\$	69,135	\$ 483,944
1107	Administrative Aide II	10.00	10.00	\$	48,897	\$ 488,967
1136	Asst Chemist	14.00	14.00	\$	63,342	\$ 886,782
1153	Asst Engineer-Civil	28.00	27.00	\$	66,931	\$ 1,807,126
1193	Asst Reservoir Keeper	8.00	8.00	\$	41,662	\$ 333,299
1218	Assoc Management Analyst	24.00	26.00	\$	61,687	\$ 1,603,872
1220	Assoc Chemist	4.00	4.00	\$	72,465	\$ 289,860
1221	Assoc Engineer-Civil	25.00	24.00	\$	77,530	\$ 1,860,731
1227	Assoc Planner	1.00	1.00	\$	64,560	\$ 64,560
1230	Multimedia Production Specialist	1.00	1.00	\$	50,215	\$ 50,215
1237	Payroll Specialist I	1.00	0.00	\$	-	\$ -
1238	Payroll Supv	1.00	1.00	\$	46,252	\$ 46,252
1243	Info Systems Administrator	1.00	1.00	\$	85,917	\$ 85,917
1275	Building Services Supv	1.00	1.00	\$	53,817	\$ 53,817
1288	Carpenter	2.00	2.00	\$	52,003	\$ 104,006
1293	Cement Finisher	1.00	1.00	\$	51,095	\$ 51,095
1330	Cashier	5.00	5.00	\$	36,126	\$ 180,630
1348	Info Systems Analyst II	8.00	8.00	\$	61,372	\$ 490,978
1349	Info Systems Analyst III	3.00	3.00	\$	69,453	\$ 208,359
1356	Code Compliance Officer	3.00	6.00	\$	42,838	\$ 257,028
1357	Code Compliance Supv	1.00	1.00	\$	49,477	\$ 49,477
1369	Water Distribution Operator	6.00	6.00	\$	56,870	\$ 341,222
1370	Water Distribution Operations Supv	1.00	1.00	\$	62,286	\$ 62,286
1393	Customer Services Supv	4.00	4.00	\$	65,395	\$ 261,580
1394	Customer Services Representative	34.00	36.00	\$	37,852	\$ 1,362,660
1398	Ranger/Diver I	3.00	3.00	\$	51,272	\$ 153,816
1399	Ranger/Diver II	2.00	2.00	\$	54,849	\$ 109,698
1401	Info Systems Technician	1.00	0.00	\$	-	\$ -
1423	Sr Drafting Aide	7.00	7.00	\$	51,663	\$ 361,638
1437	Equipment Mechanic	1.00	1.00	\$	52,814	\$ 52,814
1440	Equipment Operator II	14.00	15.00	\$	49,096	\$ 736,444
1443	Electronics Technician	1.00	1.00	\$	56,718	\$ 56,718
1445	Equipment Operator III	1.00	0.00	\$	-	\$ -
1465	Field Representative	15.00	36.00	\$	37,749	\$ 1,358,947
1508	Irrigation Specialist	3.00	3.00	\$	45,061	\$ 135,182
1512	Heavy Truck Driver II	2.00	2.00	\$	44,642	\$ 89,284

Water

Salary Schedule

WATER DEPARTMENT FUND

Water Department

<i>Class</i>	<i>Position Title</i>	<i>FY 2009 Positions</i>	<i>FY 2010 Positions</i>	<i>Salary</i>		<i>Total</i>
1520	Hydrography Aide	1.00	1.00	\$	45,396	\$ 45,396
1523	Instrumentation & Control Tech	7.00	7.00	\$	62,217	\$ 435,522
1535	Clerical Assistant II	8.00	8.00	\$	34,340	\$ 274,719
1556	Recycling Program Manager	1.00	1.00	\$	89,417	\$ 89,417
1560	Lake Aide II	14.00	14.00	\$	30,793	\$ 431,107
1575	Data Entry Operator	1.00	1.00	\$	37,407	\$ 37,407
1580	Laboratory Technician	10.00	10.00	\$	46,842	\$ 468,421
1599	Lakes Program Manager	1.00	1.00	\$	85,894	\$ 85,894
1612	Org Effectiveness Specialist III	1.00	1.00	\$	69,499	\$ 69,499
1614	Org Effectiveness Specialist II	3.00	2.00	\$	62,793	\$ 125,585
1615	Org Effectiveness Supv	1.00	1.00	\$	70,616	\$ 70,616
1620	Meter Reader	17.00	0.00	\$	-	\$ -
1622	Biologist III	3.00	3.00	\$	72,326	\$ 216,979
1624	Biologist II	8.00	8.00	\$	62,644	\$ 501,155
1648	Payroll Specialist II	6.00	6.00	\$	40,262	\$ 241,569
1666	Plant Process Control Electrician	5.00	5.00	\$	62,300	\$ 311,501
1668	Plant Process Control Supv	1.00	1.00	\$	66,177	\$ 66,177
1725	Principal Drafting Aide	4.00	4.00	\$	58,933	\$ 235,732
1727	Principal Engineering Aide	11.00	11.00	\$	58,255	\$ 640,805
1746	Word Processing Operator	21.00	20.00	\$	36,514	\$ 730,281
1751	Project Officer I	1.00	1.00	\$	78,040	\$ 78,040
1752	Project Officer II	1.00	1.00	\$	90,065	\$ 90,065
1776	Public Information Clerk	4.00	4.00	\$	36,313	\$ 145,253
1777	Public Info Officer	1.00	1.00	\$	49,765	\$ 49,765
1798	Golf Course Manager	1.00	2.00	\$	69,357	\$ 138,714
1804	Sr Biologist	1.00	1.00	\$	83,539	\$ 83,539
1816	Claims & Insurance Manager	2.00	2.00	\$	80,488	\$ 160,976
1817	Reservoir Keeper	8.00	8.00	\$	47,074	\$ 376,588
1823	Safety Officer	1.00	1.00	\$	67,324	\$ 67,324
1826	Safety Representative II	3.00	3.00	\$	58,546	\$ 175,639
1844	Sr Account Clerk	1.00	1.00	\$	41,440	\$ 41,440
1854	Sr Chemist	1.00	1.00	\$	83,872	\$ 83,872
1855	Sr Civil Engineer	6.00	7.00	\$	89,183	\$ 624,281
1860	Sr Customer Services Rep	6.00	6.00	\$	43,569	\$ 261,413
1861	Sr Engineering Aide	13.00	15.00	\$	52,002	\$ 780,026
1870	Senior Water Utility Supv	1.00	1.00	\$	54,841	\$ 54,841
1872	Sr Planner	2.00	2.00	\$	75,857	\$ 151,714
1876	Executive Secretary	1.00	1.00	\$	49,992	\$ 49,992
1879	Sr Clerk/Typist	2.00	2.00	\$	41,822	\$ 83,644
1884	Water Production Superintendent	2.00	2.00	\$	95,599	\$ 191,198
1899	Stock Clerk	1.00	1.00	\$	33,985	\$ 33,985

Salary Schedule

WATER DEPARTMENT FUND

Water Department

<i>Class</i>	<i>Position Title</i>	<i>FY 2009 Positions</i>	<i>FY 2010 Positions</i>		<i>Salary</i>	<i>Total</i>
1902	Storekeeper I	1.00	1.00	\$	40,090	\$ 40,090
1917	Supv Management Analyst	6.00	7.00	\$	77,888	\$ 545,216
1921	Supv Field Representative	2.00	2.00	\$	41,752	\$ 83,504
1923	Supv Economist	1.00	1.00	\$	77,877	\$ 77,877
1925	Supv Meter Reader	2.00	2.00	\$	42,947	\$ 85,893
1926	Info Systems Analyst IV	2.00	2.00	\$	77,568	\$ 155,136
1940	Supv Public Info Officer	3.00	3.00	\$	67,778	\$ 203,334
1971	Training Supv	1.00	1.00	\$	67,282	\$ 67,282
1972	Safety & Training Manager	2.00	2.00	\$	77,550	\$ 155,100
1985	Welder	3.00	3.00	\$	52,509	\$ 157,528
1986	Water Operations Supv	3.00	3.00	\$	78,868	\$ 236,604
1987	Sr Water Operations Supv	3.00	3.00	\$	90,711	\$ 272,133
1988	Water Plant Operator	24.00	24.00	\$	68,218	\$ 1,637,226
2181	Asst Department Director	1.00	1.00	\$	135,801	\$ 135,801
2194	Water Department Director	0.50	0.50	\$	169,748	\$ 84,874
2214	Deputy Director	4.00	4.00	\$	116,165	\$ 464,660
2250	Asst Deputy Director	1.00	1.00	\$	104,879	\$ 104,879
2270	Program Manager	5.00	5.00	\$	105,697	\$ 528,487
	Vacancy Factor Adjustment	0.00	0.00	\$	-	\$ (1,402,150)
	Furlough Savings	0.00	0.00	\$	-	\$ (616,284)
	Bilingual - Regular	0.00	0.00	\$	-	\$ 9,034
	Confined Space Pay	0.00	0.00	\$	-	\$ 212,287
	Emergency Medical Tech	0.00	0.00	\$	-	\$ 27,438
	Ex Perf Pay-Classified	0.00	0.00	\$	-	\$ 48,832
	Ex Perf Pay-Unclassified	0.00	0.00	\$	-	\$ 3,168
	Overtime Budgeted	0.00	0.00	\$	-	\$ 1,974,815
	Reg Pay For Engineers	0.00	0.00	\$	-	\$ 304,799
	Standby Pay	0.00	0.00	\$	-	\$ 92,446
	Tech Cert Pay	0.00	0.00	\$	-	\$ 3,704
	Temporary Help	0.00	0.00	\$	-	\$ 765,731
	Total	778.50	785.50			\$ 44,269,273

WATER TOTAL 778.50 785.50 \$ 44,269,273

Water

Revenue and Expense Statement (Non-General Fund)

WATER DEPARTMENT FUND 41500

	FY 2008* BUDGET	FY 2009* BUDGET	FY 2010 FINAL
BEGINNING BALANCE AND RESERVE			
Balance from Operating Reserve	\$ -	\$ -	\$ 19,936,102
Balance from Prior Year	\$ 17,175,474	\$ 40,689,986	\$ 16,043,483
Prior Year Continuing Appropriations	\$ 37,075,453	\$ 84,809,460	\$ 112,969,793
Prior Year Encumbrances Cancelled	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000
Reserve Balance	\$ 99,372,027	\$ 91,089,003	\$ 96,722,622
TOTAL BALANCE	\$ 155,622,954	\$ 218,588,449	\$ 247,672,000
REVENUE			
Capacity Charges	\$ 11,244,286	\$ 11,465,528	\$ 7,736,000
Contributions in Aid	\$ 75,000	\$ 75,000	\$ 75,000
Damages Recovered	\$ 290,200	\$ 264,596	\$ 265,000
Financing Proceeds	\$ 117,753,345	\$ 165,193,489	\$ 119,857,000
Grant Receipts	\$ 3,385,000	\$ 8,000,000	\$ 7,744,703
Interest Earnings	\$ 4,132,000	\$ 4,132,000	\$ 6,032,000
Lakes Recreation	\$ 1,841,845	\$ 2,500,000	\$ 2,500,000
Land and Building Rentals	\$ 5,144,436	\$ 5,818,210	\$ 5,472,956
New Water Services	\$ 2,402,400	\$ 2,115,497	\$ 1,860,000
Other Revenue	\$ 380,047	\$ 806,870	\$ 1,136,783
Reclaimed Water	\$ 5,628,593	\$ 7,876,063	\$ 7,399,000
Reimbursement from Capital Outlay Fund	\$ 100,000	\$ 600,000	\$ 600,000
Sale of Discarded Materials	\$ 14,000	\$ -	\$ 46,000
Sale of Water	\$ 297,677,782	\$ 292,330,535	\$ 342,798,830
Service Charges	\$ 1,375,000	\$ 1,227,488	\$ 1,543,000
Service Rendered to Others	\$ 10,730,528	\$ 8,004,740	\$ 8,564,000
TOTAL REVENUE	\$ 462,174,462	\$ 510,410,016	\$ 513,630,272
TOTAL BALANCE AND REVENUE	\$ 617,797,416	\$ 728,998,465	\$ 761,302,272
CAPITAL IMPROVEMENTS PROGRAM (CIP)			
CIP Expenditures/Budget	\$ 145,575,252	\$ 177,869,077	\$ 149,776,309
TOTAL CIP EXPENSE	\$ 145,575,252	\$ 177,869,077	\$ 149,776,309
OPERATING EXPENSE			
Assurance Fund	\$ 4,500,000	\$ 4,500,000	\$ 5,500,000
Debt Service	\$ 57,512,463	\$ 63,440,664	\$ 64,407,859
Department Expenditures/Encumbrances	\$ 146,451,651	\$ 131,684,529	\$ 149,056,541
Operating Reserve - Budgeted	\$ -	\$ -	\$ 877,784
State Revolving Fund Loan Expense	\$ 1,375,922	\$ 1,375,922	\$ 1,333,546
Transfers to Other Funds	\$ 4,755,513	\$ 6,083,917	\$ 7,240,462
Unallocated Reserve	(1) \$ 5,822,200	\$ 5,822,200	\$ 5,000,000
Water Purchases (Commodity)	\$ 81,617,290	\$ 110,527,369	\$ 134,113,961
Water Purchases (Fixed Charges)	\$ 38,408,136	\$ 12,653,135	\$ 17,010,885
TOTAL OPERATING EXPENSE	\$ 340,443,175	\$ 336,087,736	\$ 384,541,038
TOTAL EXPENSE	\$ 486,018,427	\$ 513,956,813	\$ 534,317,347

Revenue and Expense Statement (Non-General Fund)

WATER DEPARTMENT FUND 41500

	FY 2008*	FY 2009*	FY 2010
	BUDGET	BUDGET	FINAL
RESERVE			
Capital Reserve	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000
Expenditures of Prior Year Enc. & Cont. Approp.	\$ 37,075,453	\$ 144,795,315	\$ 136,446,143
Operating Reserve	\$ 19,936,102	\$ 19,936,102	\$ 19,936,102
Rate Stabilization Fund	\$ 20,500,000	\$ 20,500,000	\$ 20,500,000
Reserve for Dedicated Reserve (DRES) (2)	\$ -	\$ -	\$ 2,252,018
Reserve for State Revolving Fund Loan	\$ 1,375,922	\$ 1,375,922	\$ 1,375,922
Secondary Purchase Reserve	\$ 7,201,526	\$ 7,390,830	\$ 7,132,377
TOTAL RESERVE	\$ 91,089,003	\$ 198,998,169	\$ 192,642,562
 BALANCE	 \$ 40,689,986	 \$ 16,043,483	 \$ 34,342,363
TOTAL EXPENSE, RESERVE, AND BALANCE	\$ 617,797,416	\$ 728,998,465	\$ 761,302,272

* The Fiscal Years 2008 and 2009 columns reflect final budget amounts from the Fiscal Year 2008 and 2009 Annual Budgets. As such, balances and reserves do not reflect carryover from the previous fiscal year.

(1) Also known as the Appropriated Reserve.

(2) Dedicated Reserve (DRES) is authorized for use by the Independent Rates Oversight Committee (IROC) for Capital Outlay if needed during the fiscal year.

